

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for manufacturing a plasma display panel, comprising:

a step for forming barrier ribs on a surface of an insulating substrate in order to separate a plurality of cells from one another;

an applying step for applying a phosphor material in the form of paste to each of said cells by covering said surface of said insulating substrate and side surfaces of said ribs with said phosphor material;

an inspecting step; and

a drying step for drying the phosphor material paste[[;]],

~~wherein said inspecting step determines whether or not an amount of said phosphor material in each of said cells is a suitable amount in accordance with an intensity distribution of reflected light in each of said cells, said reflected light being obtained by radiating visible light onto a surface of said phosphor material before said drying step.~~

wherein said inspecting step determines whether an amount of said phosphor material in each of said cells is equal to or less than a predetermined amount based on a size of an area of a surface of said phosphor material that produces a reflected light intensity higher than a predetermined level when visible light is radiated onto a whole surface of said phosphor material before said drying step.

2. (canceled):

3. (previously presented): The method for manufacturing a plasma display panel according to claim 1, wherein said inspecting step further determines whether or not any one of said plurality of cells includes a pinhole or an abnormal substance, and whether or not said phosphor material flows into a cell to which said phosphor material is not yet applied so far.

4. (previously presented): The method for manufacturing a plasma display panel according to claim 1, wherein said inspecting step comprises the steps of:

detecting a micro-defect defined as a defect included in any one of said plurality of cells;
and

detecting a macro-defect defined as a defect included in any one of blocks each comprising a plurality of cells.

5. (previously presented): The method for manufacturing a plasma display panel according to claim 1, wherein said applying step is performed based on a result obtained by said inspecting step performed for another plasma display panel manufactured before.

6. (previously presented): The method for manufacturing a plasma display panel according to claim 1, wherein said phosphor material includes three kinds of materials emitting different colors, and said three kinds of materials are applied to different cells in first, second and third application steps, respectively, and said inspecting step is performed in such a manner that

after the first application step and before the second application step, one of said three kinds of materials applied in the first application step is inspected, and after the second application step and before the third application step, another one of said three kinds of materials applied in the second application step is inspected with an inspection result of said material applied in the first application step being taken into account, and after the third application step, a last one of said three kinds of materials applied in the third application step is inspected with inspection results of said materials applied in the first and second application steps being taken into account.

7. (canceled):

8. (previously presented): The method for manufacturing a plasma display panel according to claim 1, wherein said applying step is performed by printing techniques.

9-16. (canceled).